

Title (en)

Electronic ballast with a digital control unit

Title (de)

Elektronisches Vorschaltgerät mit digitaler Steuereinheit

Title (fr)

Ballast électronique avec une unité de commande numérique

Publication

EP 1771046 A1 20070404 (DE)

Application

EP 06025048 A 20010913

Priority

- EP 01122012 A 20010913
- DE 10045713 A 20000915
- DE 10128586 A 20010613

Abstract (en)

The ballast has an equalization circuit (3) for generating an intermediate circuit voltage, and a power inverter supplied with the voltage. The circuit (3) has a switching regulator, and a control circuit (6) determines operating parameters of the circuit (3). The circuit (6) has an analog-to-digital converter for converting the parameters to a digital value. The circuit (6) calculates switching information and transmits the information to a driver circuit (7). The circuit (6) has an operating parameter of a load circuit (5) for regulating the brightness of a discharge lamp (LA).

IPC 8 full level

H05B 41/38 (2006.01); **H05B 41/282** (2006.01); **H05B 41/36** (2006.01)

CPC (source: EP)

H05B 41/282 (2013.01); **H05B 41/36** (2013.01); **H05B 41/38** (2013.01); **Y02B 20/00** (2013.01)

Citation (search report)

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- [X] US 5463287 A 19951031 - KURIHARA MAKOTO [JP], et al
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Designated contracting state (EPC)

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EP 1191826 A1 20020327; **EP 1191826 B1 20061227**; AT E349881 T1 20070115; DE 50111720 D1 20070208; EP 1771046 A1 20070404; EP 1771046 B1 20160316; EP 1771047 A1 20070404; EP 1771047 B1 20161207; EP 1771048 A2 20070404; EP 1771048 A3 20070411; ES 2275595 T3 20070616

DOCDB simple family (application)

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